

Datasheet for KOA0761**Human CXCL14 ELISA Kit****Overview**

Description:	Human CXCL14 AccuSignal ELISA Kit - KOA0761
Item No.:	KOA0761
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	125 pg/ml - 4,000 pg/ml

Product Details

Background:	Chemokine(C-X-C motif) ligand 14(CXCL14) is a small cytokine belonging to the CXC chemokine family that is also known as BRAK(for breast and kidney-expressed chemokine). This gene is mapped to 5q31.1. CXCL14 is constitutively expressed at high levels in many normal tissues, it has been found that fibroblasts are the primary source of CXCL14 and that CXCL14 is involved in the homeostasis of monocyte-derived macrophages rather than in inflammation. It is also a potent chemoattractant and activator of dendritic cells, is implicated in homing of these cells, and can stimulate the migration of activated NK cells. CXCL14 also inhibits angiogenesis, possibly as a result of its ability to block endothelial cell chemotaxis. In addition to it, CXCL14 is a potent chemokine for immature DCs, with a chemoattractive activity comparable to bacterial fMLP and MIP1A.
Synonyms:	BMAC, bolekin, BRAK, C-X-C motif chemokine 14, Chemokine CXC motif ligand 14, Chemokine BRAK, CXC chemokine in breast and kidney, CXL14_HUMAN, JSC, Kc, Kidney-expressed chemokine CXC, KS1, MGC10687, MGC124510, MGC90667, MIP 2 gamma, MIP-2G, MIP2G, MIP2gamma, NJAC, PRO273, PSEC0212, Scyb14, Small Inducible Cytokine B14, Small inducible cytokine subfamily B (Cys-X-Cys) member 14 (BRAK), Small Inducible Cytokine subfamily B member 14, Small-inducible cytokine B14
Detection Kit Type:	ELISA Kit
Detection Range:	125 pg/ml - 4,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CXCL14
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Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: S35-E111
Purity/Specificity:	Natural and recombinant human CXCL14. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - O95715 • NCBI - NP_004878.2 • GeneID - 9547 • KOA0761 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human CXCL14 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human CXCL14 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	62.5pg/ml-4000pg/ml
Other:	DOE: 2-8° C - 06/14/19 -20° C - 12/13/19

Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

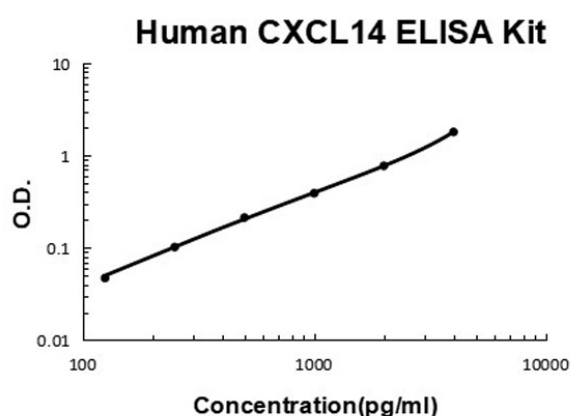
Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiration: See kit insert for complete instructions.

Images



ELISA

Human CXCL14 ELISA Kit standard curve.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.